

Title (en)

TONER CARTRIDGE HAVING FRONT COVER

Title (de)

TONERKARTUSCHE MIT FRONTABDECKUNG

Title (fr)

CARTOUCHE DE TONER AYANT UN COUVERCLE AVANT

Publication

EP 4179389 A1 20230517 (EN)

Application

EP 20944571 A 20201117

Priority

- KR 20200084040 A 20200708
- US 2020060890 W 20201117

Abstract (en)

[origin: WO2022010522A1] A toner cartridge includes: a housing to accommodate toner and including a fastening boss at a front end; a front cover including a fastening hole aligned with the fastening boss; a fastening member including a fastening portion and a head portion, the fastening portion configured to pass through the fastening hole and be fastened to the fastening boss to couple the front cover to the housing; and a separating portion to allow the fastening hole to be separated from the head portion of the fastening member by an external force acting on the front cover.

IPC 8 full level

G03G 15/08 (2006.01); **F16B 17/00** (2006.01)

CPC (source: EP KR US)

G03G 15/0875 (2013.01 - EP KR US); **G03G 15/0886** (2013.01 - KR); **G03G 21/1647** (2013.01 - US); **G03G 21/1676** (2013.01 - EP US); **G03G 21/1871** (2013.01 - KR); **F16B 5/0258** (2013.01 - EP); **G03G 2215/068** (2013.01 - KR); **G03G 2215/0692** (2013.01 - KR); **G03G 2221/1654** (2013.01 - EP US)

Citation (search report)

See references of WO 2022010522A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022010522 A1 20220113; CN 115917441 A 20230404; EP 4179389 A1 20230517; KR 20220006275 A 20220117; US 2023273566 A1 20230831

DOCDB simple family (application)

US 2020060890 W 20201117; CN 202080102902 A 20201117; EP 20944571 A 20201117; KR 20200084040 A 20200708; US 202018014740 A 20201117